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Patent claims

1. Electrically heatable glow plug or glow rod for internal combustion engines, having a corrosion-resistant glow pipe which is closed at the end and contains a filling of electrically non-conductive, compacted powder in which an electrically conductive coil is embedded, characterized in that the electrically conductive coil (8, 9) is surface-hardened.
2. Glow plug or glow rod according to Claim 1, characterized in that at least the heating coil (8) is surface-hardened.
3. Glow plug or glow rod according to Claim 1, characterized in that the electrically conductive coil (8, 9) is surface-hardened, at least over part of its longitudinal extent, by a diffusion treatment, in particular by nitriding.
4. Glow plug or glow rod according to Claim 3, characterized in that the hard diffusion zone (13) of the electrically conductive coil (8, 9) has a depth (t) of approximately 5 to 10 μm .

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